IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re	U.S. Patent Application of)
SUGA	AHARA et al.)
Appli	ication Number: To Be Assigned)
Filed	: Concurrently Herewith)
For:	A SPIN TRANSISTOR BASED ON THE SPIN- FILTER EFFECT AND A NONVOLATILE MEMORY USING SPIN TRANSISTORS))
Атто	ORNEY DOCKET NO. HIRA.0178))

Honorable Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§ 1.56 and 1.97, this Information Disclosure Statement is submitted in the above-identified National Stage U.S. patent application. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each U.S. and foreign patent, or each publication or portion thereof listed or herein identified, is submitted herewith.

CERTIFICATION

This Information Disclosure Statement is submitted with the initial filing of the application. Accordingly, no fee is due or payable at this time.

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Please charge any additional fees or credit any overpayments in connection with this paper to Deposit Account No. 08-1480.

Respectfully submitted,

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January 25, 2005

Form PTO 1449	ATTY. DOCKET NUMBER HIRA.0178	Serial Number 522241 To be Assigned 522241
U.S. Department of Commerce Patent and Trademark Office	APPLICANT SUGAHARA et al.	
Information Disclosure Statement by Applicant	FILING DATE Concurrently Herewith	GROUP

LES	Patent	Documents

Examiner Initial	DOCUMENT NUMBER	DATE	Name	CLASS	SUB CLASS	FILING DATE
	5,747,859	5/5/98	Mizushima et al.			8/19/96

Foreign Patent Documents

Examiner	DOCUMENT NUMBER	FILING DATE	Country	CLASS	Sub-	Translation	
Initial					CLASS	YES	No
	2003-092412	9/17/2001	Japan			Abstract	X
	2003-152173	11/13/2001	Japan			Abstract	Х
	11-238924	2/20/98	Japan			Abstract	X
	EP 1 117 136 A1	3/10/2000	EPO			X	_
	WO 01/69655 A2	3/13/2001	PCT			X	
		-		<u> </u>			

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

	M. Tanaka et al., "Epitaxial Growth and Properties of III-V Based Magnetic Semiconductor and Ferromagnet/Semiconductor Heterostructures", The Magnetics Society of Japan (18 March 1999), pp. 13-20, and English translation, 4 pages
	International Search Report dated November 11, 2003
Examiner	DATE CONSIDERED

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